

Title (en)

STATE EVALUATION SYSTEM, STATE EVALUATION DEVICE, AND STATE EVALUATION METHOD

Title (de)

ZUSTANDSBEURTEILUNGSSYSTEM, ZUSTANDSBEURTEILUNGSVORRICHTUNG UND ZUSTANDSBEURTEILUNGSVERFAHREN

Title (fr)

SYSTÈME D'ÉVALUATION D'ÉTAT, DISPOSITIF D'ÉVALUATION D'ÉTAT ET PROCÉDÉ D'ÉVALUATION D'ÉTAT

Publication

EP 4113074 A1 20230104 (EN)

Application

EP 20921366 A 20200824

Priority

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Abstract (en)

According to one embodiment, a state evaluation system includes a sensor, a filter, a signal processor, and an evaluator. The sensor detects elastic waves which are generated from industrial equipment in operation. The filter is able to pass elastic waves having frequency characteristics based on abrasion which is generated in the industrial equipment. The signal processor extracts a plurality of feature values using the elastic waves passing through the filter. The evaluator evaluates an abnormality of the industrial equipment on the basis of a combination of the extracted plurality of feature values.

IPC 8 full level

G01H 11/08 (2006.01); **G01M 99/00** (2011.01); **G01N 29/14** (2006.01)

CPC (source: CN EP KR US)

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Designated contracting state (EPC)

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KH MA MD TN

DOCDB simple family (publication)

US 12001195 B2 20240604; **US 2021397161 A1 20211223**; CN 113677975 A 20211119; EP 4113074 A1 20230104; EP 4113074 A4 20240313; JP 2021135233 A 20210913; JP 7285797 B2 20230602; KR 102715650 B1 20241011; KR 20210118144 A 20210929; WO 2021171656 A1 20210902

DOCDB simple family (application)

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